

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b) Google Inc., a Delaware corporation, certifies that it is the assignee of 100% of the right, title and interest in the patent applications listed on the attached Appendix (Table 1) by virtue of assignments, including assignments from inventors of the patent applications. The assignments for these patent applications were recorded in the Patent and Trademark Office on the Real and Frame numbers provided in the Appendix (Table 1).

The undersigned, acting on behalf of the assignee, is empowered to act on behalf of the assignee and hereby revokes all powers of attorney previously granted in the applications and appoints the practitioners associated with **PTO Customer Number 26192** to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to **PTO Customer Number 26192**.

Direct all telephone calls to Hans R. Troesch, Reg. No. 36,950, at telephone number (650) 839-5070.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

Date:

January 13, 2011

Fish & Richardson P.C.
PTO Customer No. 26192
50742775.doc

Name:

Donald Harrison

Title:

Vice President, Deputy General Counsel
& Assistant Secretary of
Google Inc.

ATTACHMENT: (Table 1: 22 pages)

TABLE 1

| Attorney Docket No. | Application Serial No. Patent No. | Recordation Date Reel/Frame |
|---------------------|--------------------------------------|---|
| 16113-2800002 | 4,941,178 | FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 12/2/09 R/F 023586/0330 FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0173 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2801001 | 5,321,833 | FROM INVENTORS TO GTE LABORATORIES INCORPORATED, A CORP. OF DE. RECORDED 9/21/90 R/F 005452/0269 FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 4/23/07 R/F 019193/0372 FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2802001 | 6,404,876 | FROM INVENTORS TO GTE INTELLIGENT NETWORK SERVICES INCORPORATED AND GTE LABORATORIES INCORPORATED RECORDED 9/25/97 R/F 008835/0846 MERGER OF GTE INTELLIGENT NETWORK SERVICES INCORPORATED AND GENUITY NETWORKS INC. RECORDED 9/29/10 R/F 025051/0817 FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 6/5/01 R/F 011635/0758 FROM GENUITY NETWORKS INC. TO GTE SERVICE CORPORATION RECORDED 9/29/10 R/F 025051/0823 FROM GTE SERVICE CORPORATION TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 9/29/10 R/F 025051/0855 FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995 FROM VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 9/29/10 R/F 025051/0846 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2802002 | 7,127,046 | FROM INVENTORS TO GTE INTELLIGENT NETWORK SERVICES INCORPORATED AND GTE LABORATORIES INCORPORATED RECORDED 11/23/09 R/F 023556/0106 MERGER OF GTE INTELLIGENT NETWORK SERVICES INCORPORATED AND GENUITY NETWORKS INC. RECORDED 9/29/10 R/F 025051/0817 FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 11/24/09 R/F 023565/0423 FROM GENUITY NETWORKS INC. TO GTE SERVICE CORPORATION RECORDED 9/29/10 R/F 025051/0823 FROM GTE SERVICE CORPORATION TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 9/29/10 R/F 025051/0855 FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995 FROM VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 9/29/10 R/F 025051/0846 |

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| | | FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2803001 | 5,241,619 | <p>FROM INVENTORS TO BOLT BERANEK AND NEWMAN INC., A MA CORP. RECORDED 8/16/91 R/F 005819/0819</p> <p>FROM BOLT BERANEK AND NEWMAN INC. TO BBN CORPORATION RECORDED 2/20/96 R/F 007813/0574; CORRECTED NOTICE TO CORRECT PROPERTY NUMBER - PREV R/F 007813/0574 - NOW 010682/0094</p> <p>FROM BOLT BERANEK AND NEWMAN, INC. TO BBN CORPORATION RECORDED 3/9/00 R/F 010676/0199; CORRECTED NTC RECORDED 7/3/00 R/F 010942/0874</p> <p>FROM BBN CORPORATION TO GENUITY SOLUTIONS INC. RECORDED 7/31/03 R/F 013835/0802</p> <p>FROM GENUITY SOLUTIONS INC. TO GTE SERVICES CORPORATION RECORDED 9/26/03 R/F 014007/0403</p> <p>FROM GTE SERVICE CORPORATION TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 8/19/09 R/F 023107/0836</p> <p>FROM VERIZON CORPORATE SERVICES GROUP INC. TO BBNT SOLUTIONS LLC AND VERIZON CORPORATE SERVICES GROUP INC. RECORDED 5/18/04 R/F 014646/0093</p> <p>OF BBNT SOLUTIONS LLC TO BBN TECHNOLOGIES CORP. RECORDED 6/7/06 R/F 017746/0377</p> <p>FROM VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084</p> <p>FROM BBN TECHNOLOGIES CORP. TO RAMP HOLDINGS, INC (F/K/A EVERYZING, INC.) RECORDED 2/23/10 R/F 023973/0141</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2804001 | 5,621,859 | <p>FROM INVENTORS TO BOLT BERANEK AND NEWMAN INC. RECORDED 1/19/94 R/F 006851/0817</p> <p>FROM BOLT BERANEK AND NEWMAN INC. TO BBN CORPORATION RECORDED 2/20/96 R/F 007823/0837</p> <p>FROM BBN CORPORATION TO GENUITY SOLUTIONS INC. RECORDED 7/31/03 R/F 013835/0802</p> <p>FROM GENUITY SOLUTIONS INC. TO GTE SERVICES CORPORATION RECORDED 9/26/03 R/F 014007/0403</p> <p>FROM GTE SERVICE CORPORATION TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 10/1/03 R/F 014015/0900</p> <p>FROM VERIZON CORPORATE SERVICES GROUP INC. TO BBNT SOLUTIONS LLC RECORDED 5/18/04 R/F 014646/0093</p> <p>OF BBNT SOLUTIONS LLC AND BBN TECHNOLOGIES CORP. RECORDED 6/7/06 R/F 017746/0377</p> <p>FROM VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084</p> <p>FROM BBN TECHNOLOGIES CORP. TO RAMP HOLDINGS, INC. (F/K/A EVERYZING,</p> |

| Attorney Docket No. | Application Serial No. Patent No. | Recordation Date Reel/Frame |
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| | | INC.) RECORDED 2/23/10 R/F 023973/0141 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2805001 | 6,016,470 | FROM INVENTOR TO GTE INTERNETWORKING INCORPORATED, A DE CORP. RECORDED 11/12/97 R/F 008815/0561 FROM GTE INTERNETWORKING INCORPORATED TO GENUITY INC. RECORDED 7/31/03 R/F 013835/0819 FROM GENUITY INC. TO GTE SERVICE CORPORATION RECORDED 9/23/03 R/F 013998/0083 FROM GTE SERVICES CORPORATION TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 10/1/03 R/F 014015/0862 FROM VERIZON CORPORATE SERVICES GROUP INC. TO BBNT SOLUTIONS LLC AND VERIZON CORPORATE SERVICES GROUP INC. RECORDED 5/18/04 R/F 014646/0093 BBNT SOLUTIONS LLC AND BBN TECHNOLOGIES CORP. RECORDED 6/7/06 R/F 017746/0377 FROM BBN TECHNOLOGIES CORP. TO RAYTHEON BBN TECHNOLOGIES CORP. RECORDED 6/11/10 R/F 024523/0625 FROM VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2806001 | 6,311,182 | FROM INVENTORS TO GTE INTERNETWORKING INCORPORATED RECORDED 5/4/98 R/F 009150/0536 FROM GTE INTERNETWORKING INCORPORATED TO GENUITY INC. RECORDED 6/4/01 R/F 011630/0612 GENUITY INC. TO GENUITY INC. AND GTE SERVICE CORPORATION RECORDED 6/4/01 R/F 011635/0073 FROM GTE SERVICE CORPORATION TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 6/18/02 R/F 012802/0946 FROM GENUITY, INC. TO LEVEL 3 COMMUNICATIONS, INC. RECORDED 3/23/05 R/F 016468/0239 FROM VERIZON CORPORATE SERVICES GROUP INC. TO BBNT SOLUTIONS LLC AND VERIZON CORPORATE SERVICES GROUP INC. RECORDED 5/18/04 R/F 014646/0093 BBNT SOLUTIONS LLC AND BBN TECHNOLOGIES CORP. RECORDED 6/7/06 R/F 017746/0377 FROM LEVEL 3 COMMUNICATIONS, INC. TO LEVEL 3 COMMUNICATIONS, LLC RECORDED 3/12/07 R/F 018989/0678 FROM BBN TECHNOLOGIES CORP. TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 11/15/07 R/F 020112/0322 FROM BBN TECHNOLOGIES CORP. TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 5/18/09 R/F 022703/0188 |

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| | | <p>FROM VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084</p> <p>FROM LEVEL 3 COMMUNICATIONS, LLC AND VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 7/27/10 R/F 024741/0340</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2806002 | 7,127,046 | <p>FROM INVENTORS TO GTE INTERNETWORKING INCORPORATED RECORDED 11/23/09 R/F 023556/0119</p> <p>BBNT SOLUTIONS LLC TO BBN TECHNOLOGIES CORP. RECORDED 6/7/06 R/F 017746/0377</p> <p>GTE SERVICE CORPORATION TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 6/18/02 R/F 012810/0584</p> <p>FROM VERIZON CORPORATE SERVICES GROUP INC. TO BBNT SOLUTIONS LLC AND VERIZON CORPORATE SERVICES GROUP INC. RECORDED 5/18/04 R/F 014646/0093</p> <p>FROM GENUITY, INC. TO LEVEL 3 COMMUNICATIONS, INC. RECORDED 3/23/05 R/F 016468/0239</p> <p>FROM LEVEL 3 COMMUNICATIONS, INC. TO LEVEL 3 COMMUNICATIONS, LLC RECORDED 3/12/07 R/F 018989/0678</p> <p>BBN TECHNOLOGIES CORP. TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 11/15/07 R/F 020112/0322</p> <p>BBN TECHNOLOGIES CORP. TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 5/18/09 R/F 022703/0188</p> <p>VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084</p> <p>FROM LEVEL 3 COMMUNICATIONS, LLC AND VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 7/27/10 R/F 024741/0340</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2807001 | 5,865,626 | <p>FROM INVENTORS TO BOLT BERANEK AND NEWMAN, INC. RECORDED 10/29/96 R/F 008213/0920</p> <p>BEHRINGWERKE AKTIENGESELLSCHAFT TO BEHRING DIAGNOSTICS GMBH RECORDED 9/4/97 R/F 008842/0248</p> <p>BEHRING DIAGNOSTICS GMBH TO DADE BEHRING MARBURG GMBH RECORDED 5/14/98 R/F 009197/0667</p> <p>FROM BOLT BERANEK AND NEWMAN INC. TO BBN CORPORATION RECORDED 5/26/00 R/F 010881/0286</p> <p>BBN CORPORATION TO GENUITY SOLUTIONS INC. RECORDED 7/31/03 R/F 013835/0802</p> <p>GENUITY SOLUTIONS, INC. TO BBNT SOLUTIONS LLC RECORDED 10/14/03 R/F 014043/0569</p> <p>BBNT SOLUTIONS LLC TO VERIZON CORPORATE SERVICES GROUP INC. AND BBNT SOLUTIONS LLC RECORDED 5/4/04 R/F 014601/0448</p> |

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| | | <p>BBNT SOLUTIONS LLC TO BBNT SOLUTIONS LLC AND VERIZON CORPOTE SERVICES GROUP INC. RECORDED 5/18/04 R/F 014634/0525</p> <p>BBNT SOLUTIONS LLC TO BBN TECHNOLOGIES CORP. RECORDED 6/7/06 R/F 017746/0377</p> <p>VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084</p> <p>BBN TECHNOLOGIES CORP. TO RAYTHEON BBN TECHNOLOGIES CORP. RECORDED 6/11/10 R/F 024523/0625</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2808001 | 5,960,399 | <p>FROM INVENTORS TO GTE INTERNETWORKING INCORPORATED RECORDED 5/18/98 R/F 009175/0567</p> <p>GTE INTERNETWORKING INCORPORATED TO GENUITY INC. RECORDED 7/31/03 R/F 013835/0819</p> <p>GENUITY INC. TO GTE SERVICE CORPORATION RECORDED 9/23/03 R/F 013998/0083</p> <p>GTE SERVICES CORPORATION TO VERIZON CORPORATE SERVICES GROUP INC. RECORDED 10/1/03 R/F 014015/0862</p> <p>VERIZON CORPORATE SERVICES GROUP INC. TO BBNT SOLUTIONS LLC AND VERIZON CORPORATE SERVICES GROUP INC. RECORDED 5/18/04 R/F 014646/0093</p> <p>BBNT SOLUTIONS LLC AND BBN TECHNOLOGIES CORP. RECORDED 6/7/06 R/F 017746/0377</p> <p>VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084</p> <p>BBN TECHNOLOGIES CORP. TO RAMP HOLDINGS, INC. (F/K/A EVERYZING, INC.) RECORDED 2/23/10 R/F 023973/0141</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2809001 | 7,401,023 | <p>FROM INVENTORS TO BBNT SOLUTIONS LLC RECORDED 9/27/00 R/F 011173/0853</p> <p>FROM INVENTORS TO BBNT SOLUTIONS LLC RECORDED 11/21/00 R/F 011120/0840</p> <p>BBNT SOLUTIONS LLC TO VERIZON CORPORATE SERVICES GROUP INC. AND BBNT SOLUTIONS LLC RECORDED 5/4/04 R/F 014601/0448</p> <p>BBNT SOLUTIONS LLC TO BBNT SOLUTIONS LLC AND VERIZON CORPORATE SERVICES GROUP INC. RECORDED 5/18/04 R/F 014634/0525</p> <p>BBNT SOLUTIONS LLC TO BBN TECHNOLOGIES CORP. RECORDED 6/7/06 R/F 017751/0049</p> <p>VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084</p> <p>BBN TECHNOLOGIES CORP. TO RAYTHEON BBN TECHNOLOGIES CORP. RECORDED 6/11/10 R/F 024523/0625</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2810001 | 7,447,636 | <p>FROM INVENTORS TO BBNT SOLUTIONS LLC RECORDED 6/5/09 R/F 022813/0712</p> <p>BBNT SOLUTIONS LLC TO BBN TECHNOLOGIES CORP. RECORDED 8/20/09 R/F 023119/0645</p> <p>BBNT SOLUTIONS LLC TO VERIZON CORPORATE SERVICES GROUP INC. AND BBNT SOLUTIONS LLC RECORDED 12/1/09 R/F 023574/0861</p> <p>VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084</p> <p>BBN TECHNOLOGIES CORP. TO RAYTHEON BBN TECHNOLOGIES CORP. RECORDED 6/11/10 R/F 024523/0625</p> <p>FROM INVENTORS TO BBNT SOLUTIONS LLC RECORDED 9/27/00 R/F 011003/0187</p> <p>BBNT SOLUTIONS LLC TO VERIZON CORPORATE SERVICES GROUP INC AND BBNT SOLUTIONS LLC RECORDED 5/4/04 R/F 014601/0448</p> <p>BBNT SOLUTIONS LLC TO BBNT SOLUTIONS LLC AND VERIZON CORPORATE SERVICES GROUP INC. RECORDED 5/18/04 R/F 014634/0525</p> <p>BBNT SOLUTIONS LLC TO BBN TECHNOLOGIES CORP. RECORDED 6/7/06 R/F 017751/0049</p> <p>VERIZON CORPORATE SERVICES GROUP INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0084</p> <p>BBN TECHNOLOGIES CORP. TO RAYTHEON BBN TECHNOLOGIES CORP. RECORDED 6/11/10 R/F 024523/0625</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2812001 | 6,498,843 | <p>FROM INVENTORS TO GTE LABORATORIES INCORPORATED DTD 6/14/99 R/F 010032/0986</p> <p>GTE LABORATORIES INCORPOIRATED TO VERIZON LABORATORIES INC. RECORDED 1/23/01 R/F 012137/0934</p> <p>VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2813001 | 6,393,415 | <p>FROM INVENTORS TO GTE LABORATORIES INCORPORATED RECORDED 6/17/99 R/F 010030/0286</p> <p>GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 1/23/01 R/F 012137/0934</p> <p>GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 8/29/01 R/F 011919/0734</p> <p>FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2813002 | 6,519,592 | FROM INVENTORS TO GTE LABORATORIES INCORPORATED RECORDED 11/23/09 R/F 023556/0084 FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 11/24/09 R/F 023565/0423 FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2813003 | 6,643,640 | FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0095 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2814001 | 6,421,683 | FROM INVENTOR TO GTE LABORATORIES INCORPORATED RECORDED 6/17/99 R/F 010029/0978 FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 1/23/01 R/F 012137/0934 FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2814002 | 6,578,056 | FROM INVENTOR TO GTE LABORATORIES INCORPORATED RECORDED 11/23/09 R/F 023556/0087 FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2815001 | 6,397,228 | FROM INVENTORS TO GTE LABORATORIES INCORPORATED RECORDED 6/17/99 R/F 010029/0969 FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES RECORDED 1/23/01 R/F 011286/0817 FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |

| Attorney Docket No. | Application Serial No. Patent No. | Recordation Date Reel/Frame |
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| 16113-2816001 | 6,374,241 | <p>FROM INVENTORS TO GTE LABORATORIES INCORPORATED RECORDED 6/16/99 R/F 010029/0983</p> <p>FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES RECORDED 1/23/01 R/F 011286/0817</p> <p>FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2817001 | 6,493,721 | <p>FROM INVENTORS TO GTE LABORATORIES INCORPORATED RECORDED 5/20/99 R/F 009971/0245</p> <p>FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES RECORDED 1/23/01 R/F 011286/0817</p> <p>FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2818001 | 6,912,525 | <p>FROM INVENTORS TO GTE LABORATORIES INC. RECORDED 5/8/00 R/F 010802/0997</p> <p>FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 4/18/03 R/F 013580/0557</p> <p>FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2818002 | 11/138,028 | <p>FROM INVENTORS TO GTE LABORATORIES INCORPORATED RECORDED 12/5/08 R/F 021930/0949</p> <p>FROM GTE LABORATORIES INCORPORATED TO VERIZON LABORATORIES INC. RECORDED 12/5/08 R/F 021931/0864</p> <p>FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2818003 | 12/497,887 | <p>FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023574/0995</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2819001 | 6,640,228 | <p>FROM INVENTORS TO VERIZON LABORATORIES INC.; REC. 3/3/03, R/F 013826/0559</p> <p>FROM VERIZON LABORATORIES INC. TO VERIZON PATENT AND LICENSING INC.; REC. 12/1/09, R/F 023574/0995</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

| Attorney Docket No. | Application Serial No. Patent No. | Recordation Date Reel/Frame |
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| 16113-2820001 | 5,553,119 | INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; REC. 9/6/94, R/F 7182/0384 FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; REC. 11/24/09, R/F 023565/0420 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; REC. 12/01/09, R/F 023586/0095 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2821001 | 5,666,400 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; REC. 12/12/94, R/F 007242/0270 FROM BELL ATLANTIC SERVICES TO VERIZON SERVICES CORP.; REC. 11/24/09, R/F 023565/0420 FROM VERIZON SERVICES CORP. TO VERIZON PATENT & LICENSING INC.; REC. 12/01/09, R/F 023586/0095 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2822001 | 5,586,171 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; R/F: 007323/0727 REC. 1/24/95 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP.; R/F:020762/0830 REC 4/7/08 FROM VERIZON SERVICES CORP TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC. 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2823001 | 5,594,789 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; R/F:007198/0573 REC. 10/13/94 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP.; R/F:020762/0830 REC 4/7/08 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES INC TO VERIZON SERVICES CORP.; R/F:020768/0651 REC 4/7/08; FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F:023586/0095 REC. 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2824001 | 5,513,250 | FROM INVENTOR TO BELL ATLANTIC NETWORK SERVICES, INC; R/F:007181/0719 RECD 10/13/94 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP.; R/F:023565/0420 REC. 11/24/09 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |

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| 16113-2825001 | 5,655,007 | FROM INVENTOR TO BELL ATLANTIC NETWORK SERVICES, INC; R/F: 007306/0583 REC. 12/23/94 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F: 023565/0420 RECD 11/24/09; FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC. R/F: 023586/0095 REC 12/1/09; FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2826001 | 5,991,364 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC; R/F: 008702/0353 REC. 9/12/97 CHANGE OF NAME FORM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F:020762/0830 REC 4/7/08 CHANGE OF NAME FORM BELL ATLANTIC NETWORK SERVICES INC. TO VERIZON SERVICES CORP.; R/F:020768/0651 REC 4/7/08 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2827001 | 5,978,450 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC; R/F:008707/0820 REC 9/9/97 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F:023565/0420 REC 11/24/09 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC. R/F: 023586/0095 REC. 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2828001 | 6,167,119 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; R/F: 008965/0334 REC. 1/12/98 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F: 023565/0420 REC 11/24/09 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC. ; R/F: 023586/0095 REC 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2829001 | 6,038,305 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC; R/F:008751/0194 REC 8/1/97 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP.; R/F: 023565/0420 REC 11/24/09 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 RECD 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |

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| 16113-2830001 | 6,067,347 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC; R/F: 008951/0006 REC 12/23/97 CHANGE OF NAME FILED FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F:023565/0420 REC 11/24/09 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F:023586/0095 REC. 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2831001 | 6,122,357 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC; R/F: 009127/0195 REC 4/8/98 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP.; R/F: 023565/0420 RECD 11/24/09 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2832001 | 6,404,858 | FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC; R/F: 009519/0652 REC 10/13/98 CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP. R/F:012623/0618 REC 4/25/02 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F:023586/0095 REC 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2832002 | 6,704,405 | CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP.; R/F:014269/0383 REC 1/20/04 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2832003 | 6,829,332 | CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP.; R/F:013088/0095 REC 7/10/02 FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |

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| 16113-2833001 | 6,101,242 | <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; R/F: 008944/0379 REC 12/23/97</p> <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F: 023565/0420 REC 11/24/09</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2834001 | 7,031,438 | <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC; R/F: 009601/0631 REC 11/17/98</p> <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP.; R/F: 013422/0824 REC 10/22/02</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2835001 | 5,719,921 | <p>FROM INVENTORS, George J. Vysotsky, Vijay R. Raman, Jayant M. Naik TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 007974/0604 REC 2/29/96</p> <p>FROM Ayman O. Asadi TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 007974/0608 RECD 5/20/96</p> <p>from David M. Lubensky TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 008083/0036 REC 5/20/96</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC TO TELESECTOR RESOURCES GROUP, INC; R/F: 022703/0176 RECD 5/18/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC; R/F: 022703/0192 REC 5/18/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2835002 | 5,832,063 | <p>FROM INVENTORS TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 023565/0141 REC 11/24/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC TO BELL ATLANTIC SCIENCE & TECHNOLOGY INC; R/F: 023565/0320 REC 11/24/09</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY INC. TO TELESECTOR RESOURCES GROUP, INC.; R/F: 023574/0457 REC 11/30/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2835RE2 | RE38,101 | <p>FROM INVENTORS TO NYNEX SCIENCE & TECHNOLOGY, INC. RECORDED 11/24/09 R/F 023565/0141</p> <p>FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY INC. RECORDED 11/24/09 R/F 023565/0320</p> <p>BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. AND TELESECTOR RESOURCES GROUP, INC. RECORDED 11/30/09 R/F 023574/0457</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC. RECORDED 12/1/09 R/F 023586/0140</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2836003 | 5,652,828 | <p>FROM INVENTOR TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 023556/0200 REC 11/23/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC; R/F: 023565/0415 REC 11/24/09</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC. ; R/F: 023574/0457 REC 11/30/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2836004 | 5,832,435 | <p>FROM INVENTOR TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 023556/0200 REC 11/23/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC; R/F: 023565/0415 RECD 11/24/09</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC; R/F: 023574/0457 REC 11/30/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2836005 | 5,751,906 | <p>FROM INVENTOR TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 023556/0200 REC 11/23/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC.; R/F: 023565/0415 REC 11/24/09</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC.; R/F: 023574/0457 REC 11/30/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2836006 | 5,749,071 | <p>FROM INVENTOR TO NYNEX SCIENCE TECHNOLOGY, INC; R/F: 023556/0200 REC 11/23/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC.; R/F: 023565/0415 REC 11/24/09</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC; R/F: 023574/0457 REC 11/30/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2836007 | 5,732,395 | <p>FROM INVENTOR TO NYNEX SCIENCE & TECHNOLOGY, INC.; R/F: 023556/0200 REC 11/23/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. ; R/F: 023565/0415 REC 11/24/09</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC.; R/F: 023574/0457 REC 11/30/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING. INC; R/F:023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2836008 | 5,890,117 | <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC.; R/F: 022703/0176 REC 5/18/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC.; R/F: 022703/0192 REC 5/18/09</p> <p>FROM INVENTOR TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 023556/0200 REC 11/23/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2837002 | 5,745,649 | <p>FROM INVENTOR TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F:023556/0140 REC 11/23/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC; R/F: 023565/0415 REC 11/24/09</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC; R/F: 023574/0457 REC 11/30/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2838001 | 5,893,059 | <p>FROM INVENTOR TO NYNEX SCIENCE AND TECHNOLOGY, INC; R/F:008935/0688 REC 12/1/97</p> <p>CORRECTED DCOUMENT FROM INVENTOR TO NYNEX SCIENCE AND TECHNOLOGY, INC; R/F: 009045/0352 REC 4/6/98</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC.; R/F: 022703/0176 RECD 5/18/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC; R/F: 022703/0192 REC 5/18/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2839001 | 5,842,165 | <p>FROM INVENTORS TO NYNEX SCIENCE AND TECHNOLOGY, INC; R/F:008793/0187 REC 11/7/97</p> <p>MERGER FROM BELL ATLANTIC SCEINCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC.; R/F: 022703/0176 REC 5/18/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC; R/F:022703/0192 REC 5/18/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2840002 | 5,495,553 | <p>FROM INVENTOR TO NYNEX CORPORATION; R/F: 023556/0128 REC 11/23/09</p> <p>FROM NYNEX CORPORATION TO VERIZON PATENT AND LICENSING INC.; R/F: 023574/0472 REC 11/30/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2841001 | 5,148,488 | <p>FROM INVENTOR RICHARD HADDAD TO NYNEX CORPORATION; R/F: 005189/0742 REC 11/17/89</p> <p>FROM INVENTOR WALTER YI-CHEN CHEN TO NYNEX CORPORATION; R/F: 005189/0744 REC 11/17/89</p> <p>CORRECTIVE ASSIGNMENT FROM NYNEX CORPORATION TO VERIZON PATENT AND LICENSING INC.; R/F: 024906/0091 REC 8/30/10</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2842001 | 5,664,058 | <p>FROM INVENTOR TO NYNEX SCIENCE AND TECHNOLOGY, INC; R/F: 006600/0362 REC 6/7/93</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC; R/F: 022703/0176 RECD 5/18/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC.; R/F: 022703/0192 REC 5/18/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING, INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2843001 | 5,502,759 | <p>FROM INVENTORS TO NYNEX SCIENCE & TECHNOLOGY, INC.; R/F: 006606/0769 REC 6/23/93</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC; R/F: 023574/0457 REC 11/30/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC.; R/F: 023565/0415 REC 11/24/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2844001 | 6,014,624 | <p>FROM INVENTOR TO NYNEX SCIENCE AND TECHNOLOGY, INC.; R/F: 008767/0330 REC 10/17/97</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC.; R/F: 022703/0176 REC 5/18/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC.; R/F: 022703/0192 RECD 5/18/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC TO VERIZON PATENT AND LICENSING INC. R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2845001 | 5,963,902 | <p>FROM INVENTOR TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 008728/0303 REC 7/30/97</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC.; R/F: 022703/0176 REC 5/18/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. R/F: 022703/0192 RECD 5/18/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC. ; R/F: 023586/0140 RECD 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2846001 | 5,895,448 | <p>FROM INVENTORS TO NYNEX SCIENCE AND TECHNOLOGY, INC.; R/F: 008795/0631 RECD 11/7/97</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC; R/F: 022703/0176 RECD 5/18/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC; R/F: 022703/0192 REC 5/18/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING, INC; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2846002 | 6,076,054 | <p>FROM INVENTORS TO NYNEX SCIENCE & TECHNOLOGY, INC; R/F: 023556/0190 REC 11/23/09</p> <p>CHANGE OF NAME FROM NYNEX SCIENCE & TECHNOLOGY, INC. TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC; R/F: 023565/0415 REC 11/24/09</p> <p>MERGER FROM BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. TO TELESECTOR RESOURCES GROUP, INC.; R/F: 023574/0457 REC 11/30/09</p> <p>FROM TELESECTOR RESOURCES GROUP, INC TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0140 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2847001 | 6,229,880 | <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; R/F: 009194/0011 REC 5/21/98</p> <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC TO VERIZON SERVICES CORP.; R/F: 020762/0830 REC 4/7/08</p> <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F: 020768/0651 REC 4/7/08</p> <p>FROM VERIZON SERVICES COPR. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2847002 | 6,741,677 | <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP; R/F: 014385/0170 REC 3/1/04</p> <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; R/F: 023556/0151 REC 11/23/09</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2848001 | 6,744,860 | <p>FROM INVENTOR TO BELL ATLANTIC NETWORK SERVICES, INC; R/F: 009702/0481 REC 12/31/98</p> <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F: 020762/0830 REC 4/7/08</p> <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES INC. TO VERIZON SERVICES CORP.; R/F: 020768/0651 REC 4/7/08</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC. ;R/F:023586/0095 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2849001 | 6,385,584 | <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC.; TO VERIZON SERVICES CORPORATION; R/F: 012332/0180 REC 11/30/01</p> <p>CORRECTED RECORDATION TO CORRECT ASSIGNEE'S NAME PREVIOUSLY RECORDED AT R/F: 012332/0180; FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP. ;R/F: 013276/0983 REC 9/10/02</p> <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC; R/F:023556/0188 REC 11/23/09</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2850001 | 7,260,187 | <p>FROM INVENTOR TO BELL ATLANTIC NETWORK SERVICES, INC.; R/F: 009987/0304 REC. 5/11/99</p> <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORPORATION; R/F: 012332/0180 REC 11/30/01</p> <p>CORRECTED RECORDATION TO CORRECT ASIGNEE'S NAME PREVIOUSLY RECORDED AT R/F: 012332/0180; FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F:013276/0983 REC 9/10/02</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC. ; R/F: 023586/0095 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2850002 | 11/767,853 | <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.;R/F: 023586/0095 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2851001 | 6,421,672 | <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; R/F: 010139/0582 REC 7/27/99</p> <p>CHANGE OF NAME FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORPORATION; R/F: 012332/0180 REC 11/30/01</p> <p>CORRECTED RECORDATION TO CORRECT ASIGNEE'S NAME, PREVIOUSLY RECORDED AT R/F: 012332/0180; FROM BELL ATLANTIC NETWORK SERVICES, INC. TO VERIZON SERVICES CORP.; R/F: 013276/0983 REC 9/10/02</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; R/F: 023586/0095 REC 12/1/09</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2852001 | 6,823,306 | <p>FROM INVENTORS TO TELESECTOR RESOURCES GROUP, INC.; REC. 11/30/00, R/F 011324/0373</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; REC. 12/01/09, R/F 023586/0140</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2852002 | 10/961,781 | <p>FROM INVENTORS TO TELESECTOR RESOURCES GROUP, INC.; REC. 11/23/09, R/F 023557/0660</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; REC. 5/17/10, R/F 024393/0758</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2853001 | 7,027,568 | <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES INC.; REC. 2/19/98, R/F 8980/0260</p> <p>FROM BELL ATLANTIC NETWORK SERVICES INC. TO VERIZON SERVICES CORP.; REC. 2/1/06, R/F 017538/0882</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; REC. 12/1/09, R/F 023586/0095</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2854001 | 5,638,425 | <p>FROM ALL INVENTORS (EXCEPT TRESSLER) TO BELL ATLANTIC NETWORK SERVICES INC.; REC. 3/1/95, R/F 7418/0602</p> <p>FROM TRESSLER TO BELL ATLANTIC NETWORK SERVICES, INC.; REC. 3/1/95, R/F 7418/0606</p> <p>FROM BELL ATLANTIC NETWORK SERVICES INC. TO VERIZON SERVICES CORP.; REC. 5/18/09, R/F 022703/0186</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; REC. 12/1/09, R/F 023586/0095</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2855001 | 5,761,640 | <p>FROM INVENTORS TO NYNEX SCIENCE & TECHNOLOGY, INC.; REC. 12/18*95, R/F 7812/0965</p> <p>BELL ATLANTIC SCIENCE & TECHNOLOGY, INC. WITH TELESECTOR RESOURCES GROUP, INC.; REC. 5/18/09, R/F 022703-0176</p> <p>FROM NYNEX SCIENCE & TECHNOLOGY TO BELL ATLANTIC SCIENCE & TECHNOLOGY, INC.; REC. 5/18/09, R/F 022703/0192</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; REC. 12/1/09, R/F 023586/0140</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2856001 | 6,963,633 | <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES, INC.; REC. 6/30/00, R/F 010920/0550</p> <p>FROM BELL ATLANTIC NETWORK SERVICES INC. TO VERIZON SERVICES CORP.; REC. 8/5/05, R/F 016612/0581</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; REC. 12/1/09, R/F 023586/0095</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2857001 | 6,690,772 | <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES INC.; REC. 6/30/00, R/F 010911/0195</p> <p>FROM BELL ATLANTIC NETWORK SERVICES INC. TO VERIZON SERVICES CORP.; REC. 12/22/03, R/F 014217/0091</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; REC. 12/01/09, R/F 023586/0095</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2858001 | 6,744,861 | <p>FROM INVENTORS TO BELL ATLANTIC NETWORK SERVICES INC.; REC. 6/30/00, R/F 010915/0166</p> <p>FROM BELL ATLANTIC NETWORK SERVICES INC. TO VERIZON SERVICES CORP.; REC. 4/13/2/04, R/F 014513/0555</p> <p>FROM VERIZON SERVICES CORP. TO VERIZON PATENT AND LICENSING INC.; REC. 12/01/09, R/F 023586/0095</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |
| 16113-2859001 | 6,915,262 | <p>FROM INVENTORS TO TELESECTOR RESOURCES GROUP, INC.; REC. 11/30/00, R/F 011324/0378</p> <p>FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; REC. 12/1/09, R/F 023586/0140</p> <p>FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910</p> |

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| 16113-2859002 | 7,302,391 | FROM INVENTORS TO TELESECTOR RESOURCES GROUP, INC.; REC. 11/23/09, R/F 023556/0167 FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; REC. 12/01/09, R/F 023586/0140 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2859003 | 11/869,275 | FROM TELESECTOR RESOURCES GROUP, INC. TO VERIZON PATENT AND LICENSING INC.; REC. 12/1/09, R/F 023586/0140 FROM INVENTORS TO TELESECTOR RESOURCES GROUP, INC.; REC. 9/22/10, R/F 025028/0055 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2860001 | 6,665,377 | FROM INVENTORS TO VERIZON FEDERAL INC.; REC. 12/14/00, R/F 011359/0868 FROM VERIZON FEDERAL INC. TO VERIZON PATENT AND LICENSING INC.; REC. 11/25/09, R/F 023568/0337 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |
| 16113-2861001 | 4,876,731 | FROM INVENTORS TO NYNEX CORPORATION; REC. 2/19/88, R/F 4839/0942 FROM NYNEX CORPORATION TO VERIZON PATENT AND LICENSING INC.; REC. 11/30/09, R/F 023574/0472 FROM VERIZON PATENT AND LICENSING INC. TO GOOGLE INC. RECORDED 11/8/10 R/F 025328/0910 |